

**Tritium Results from CEMP offsite water tests (<sup>3</sup>H - pCi/L)**

| Location           | 2012 | 2011 | 2010 | 2009 | 2008‡ | 2007 | 2006  | 2005 | 2004 | 2003 | 2002 | 2001 |
|--------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|
| Adaven Springs*    | 11.0 | 13.8 | 13.8 | 12.4 | 10.7  | 9.7  | 22.6  | 20   | 12   | 16   | 15   |      |
| Alamo^             | 0.6  | 0.6  | -0.3 | 0.4  | 0.8   | -6.4 | -9.7  | -4   | -3   | -1   | 2    | 7    |
| Amargosa Valley^   | -0.2 | 0.3  | -0.3 | -0.1 | 0.0   | 6.4  | -6.4  | -3   | -2   | 3    | 0.1  | 3    |
| Beatty^            | 0.8  | 0.3  | 0.4  | 0.1  | -0.2  | 3.2  | -12.9 | -3   | -2   | 0    | 2    | 3    |
| Boulder City*      | 21.9 | 22.2 | 22.6 | 21.6 | 24.1  | 19.3 | 35.4  | 24   | 29   | 35   | 27   | 34   |
| Caliente^          | 3.9  | 4.8  | 4.7  | 4.7  | 5.4   | 3.2  | -3.2  | 8    | 7    | 5    | 8    | 12   |
| Cedar City^        | 0.1  | -0.1 | -0.2 | -0.1 | 0.2   | 6.4  | 0.0   | 3    | -4   | -4   | -3   | 1    |
| Delta^             | 0.0  | 0.0  | 0.1  | -0.1 | -0.1  | 3.2  | 6.4   | -8   | 2    | -1   | -0.8 | 1    |
| Duckwater^         | 0.0  | 0.2  | 0.2  | 0.1  | 0.3   | 6.4  |       |      |      |      |      |      |
| Ely*               | 2.1  | 2.6  | 2.7  | 2.7  | 2.8   | 16.1 | 9.7   | -2   |      |      |      |      |
| Goldfield^         | -0.1 | -0.3 | 0.2  | 0.0  | 0.4   | 3.2  | -9.7  | 0    | -4   | 5    | -0.3 | <1   |
| Henderson*         | 22.5 | 22.7 | 23.5 | 22.4 | 23.2  | 32.2 | 16.1  | 24   | 27   | 27   | 26   | 34   |
| Indian Springs^    | 0.0  | -0.2 | 0.1  | -0.3 | 0.1   | 3.2  | 9.7   | -5   | -1   | 4    | 5    | 2    |
| Las Vegas^         | 0.2  | 0.4  | 0.3  | 0.8  | 0.8   | 12.9 | 3.2   | -5   | 3    | -2   | 1    | <1   |
| Medlin's Ranch*    | 5.8  | 8.3  | 8.4  | 3.8  | 5.1   | 3.2  | 0.0   | 10   | 9    | 9    | 4    | 13   |
| Mesquite^          | 0.1  | -0.3 | 0.2  | -0.1 | 0.0   | 0.0  | 0.0   |      |      |      |      |      |
| Milford^           | 0.2  | -0.2 | -0.3 | 0.0  | -0.3  | 0.0  | 12.9  | 1    | -5   | -2   | -1   | <1   |
| Nyala Ranch^       | 2.9  | 1.2  | 0.0  | 0.5  | 0.5   | -3.2 | 9.7   | 0    | -1   | -4   | -1   |      |
| Overton^           | -0.4 | -0.3 | 0.0  | 0.1  | -0.1  | 12.9 | 6.4   | -4   | 3    | 2    | 0.4  | 1    |
| Pahrump^           | -0.1 | -0.2 | 0.1  | 0.1  | 0.1   | 0.0  | 3.2   | -5   | -1   | 2    | -2.0 | 1    |
| Pioche^            | 0.0  | 0.2  | -0.2 | -0.1 | 0.1   | 0.0  | 6.4   | -7   | 2    | -1   | 4    | <1   |
| Rachel^            | -0.2 | -0.1 | 0.0  | -0.1 | -0.2  | -6.4 | 3.2   | -1   | -1   | -9   | 1    | <1   |
| Sarcobatus Flats^  | 0.2  | 0.0  | 0.4  | 0.3  | 0.1   | 19.3 | -3.2  | -3   | 3    | -7   | -4   |      |
| Stone Cabin Ranch* | 0.4  | 0.6  | 0.6  | 0.5  | 0.8   | -6.4 | 0.0   | 2    | -2   | 3    | 2    |      |
| St. George*        | 9.9  | 11.8 | 8.5  | 9.3  | 9.4   | 22.6 | 9.7   | 8    | -3   | 4    | 8    | 9    |
| Tecopa^            | 0.3  | 0.4  | 0.6  | 0.4  | -0.2  |      |       |      |      |      |      |      |
| Tonopah^           | 0.0  | 0.1  | 0.0  | -0.3 | -0.1  | 9.7  | -3.2  | -4   | -2   | 4    | -2   | <1   |
| Twin Springs^      | 0.2  | 0.1  | 0.0  | 0.0  | -0.1  | -9.7 | 3.2   | -2   | -3   | -1   | 0.7  |      |

\* Sample taken from spring or surface water. ^ Sample taken from well water. ‡ In 2008, analyses began to be conducted using enriched gas proportional counting. Prior to that year gas proportional or liquid scintillation counting was used. The safe drinking water standard for tritium allows 20,000 pCi/L. Source: Nevada Test Site Environmental Reports  
 MDA 2001-2005= 21 pCi/L (enriched liquid scintillation counting)  
 MDA 2006, 2007= 24 pCi/L, 26.5 pCi/L respectively (gas proportional counting). **Some 2007 results were anomalously high and not repeated in subsequent samples.**  
 MDA 2008-2010= ~1.0 pCi/L (enriched gas proportional counting)